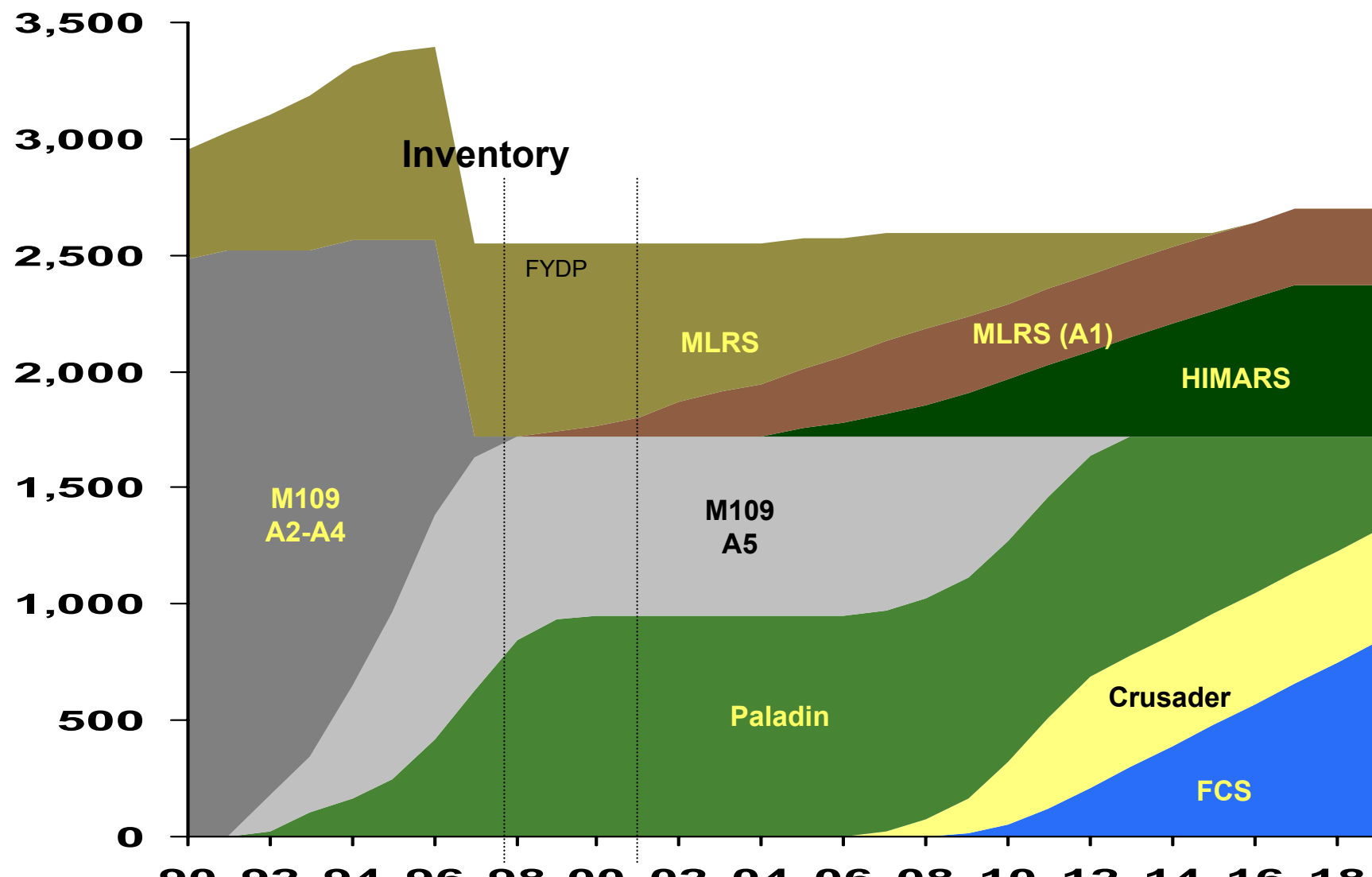


The background is a complex collage of blue-toned images. At the top left, the text 'DEFENDING AMERICA' is visible. The top right features a portion of the U.S. Army seal, which includes an eagle with wings spread, holding an olive branch and arrows, with the words 'U.S. ARMY' and 'AMERICA' around it. The central part of the image is dominated by a large, detailed eagle's head in profile, facing left. To the right of the eagle's head, there are several smaller, stylized faces of men, possibly historical figures, arranged in a row. At the bottom, there are images of soldiers in combat gear, some wearing helmets and carrying equipment. The overall theme is military and patriotic.

Accelerating U.S. Army Transformation

Current Program: Indirect Fires Focused around Crusader



Paladin



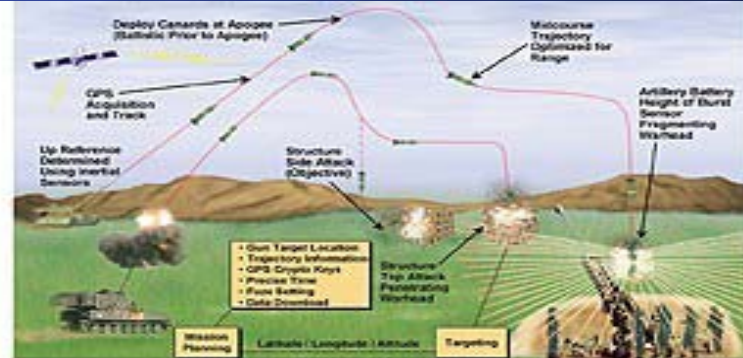
Excalibur 155mm Precision-Guided Extended Range Artillery Projectile Family



Flight Test



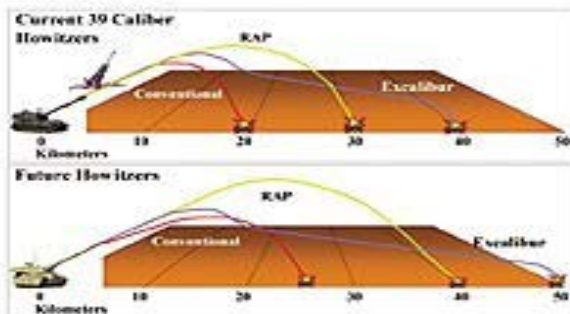
Excalibur Family of Precision Guided Artillery Projectiles



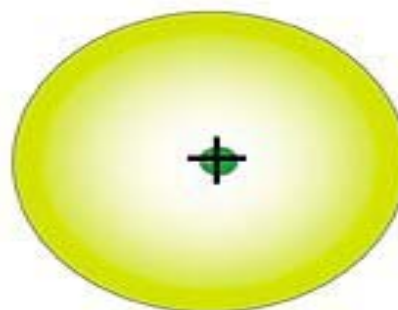
Concept of Operations



Current Configuration



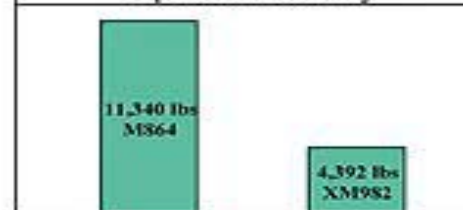
Range Improvements



Accuracy

- Current Artillery Projectiles--up to 370m dispersion
- Excalibur--constant 10m dispersion
- Target Grid

Rounds (Weight) Transported for Equivalent Lethality



Effectiveness / Lethality



YPG Projectile Test Firings

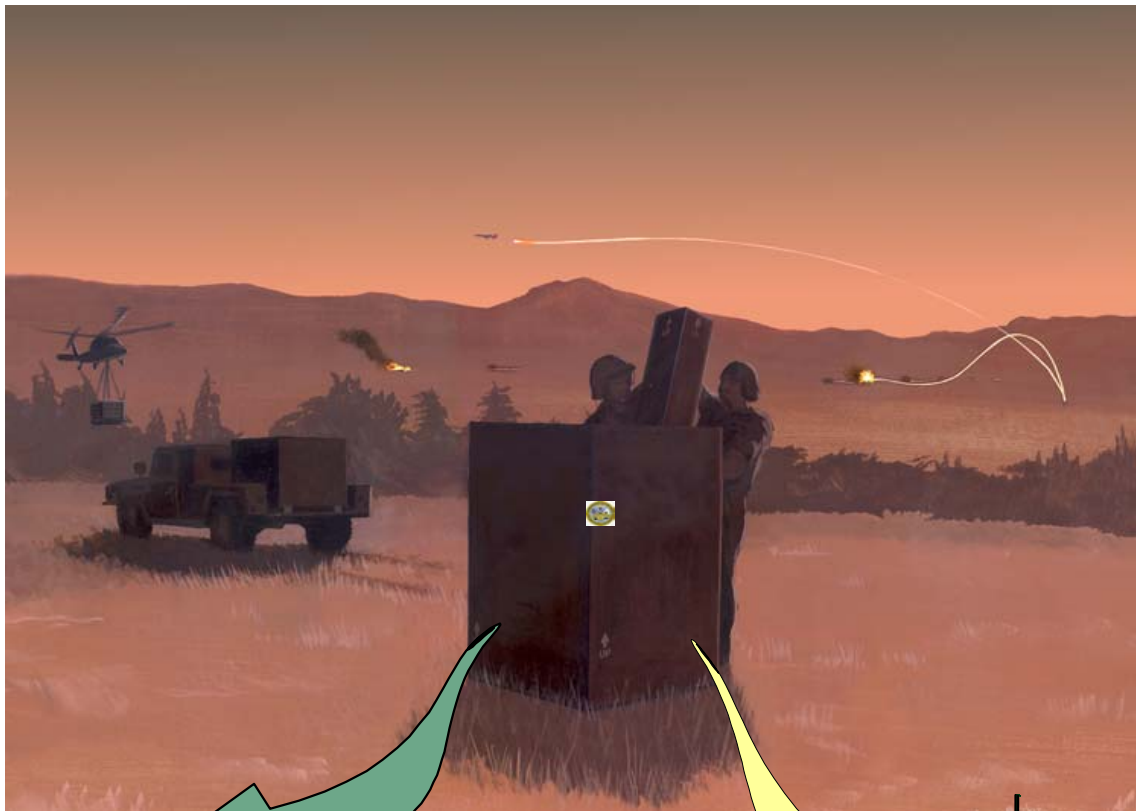


Guidance Electronics Gun Hardening Tests

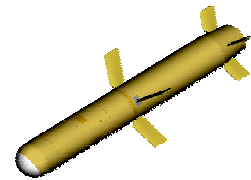
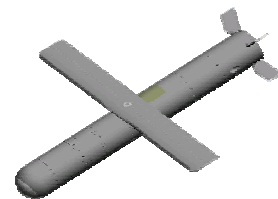
Net Fires System

ew Military
apability

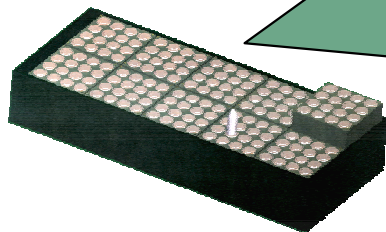
esigned For
eployability



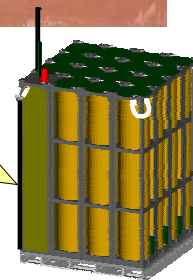
Family of
Missiles



Low Cost



Modular
Vertical
Launcher



Containerized vertical launch provides immediate

Guided Multiple Launch Rocket System (GMLRS)



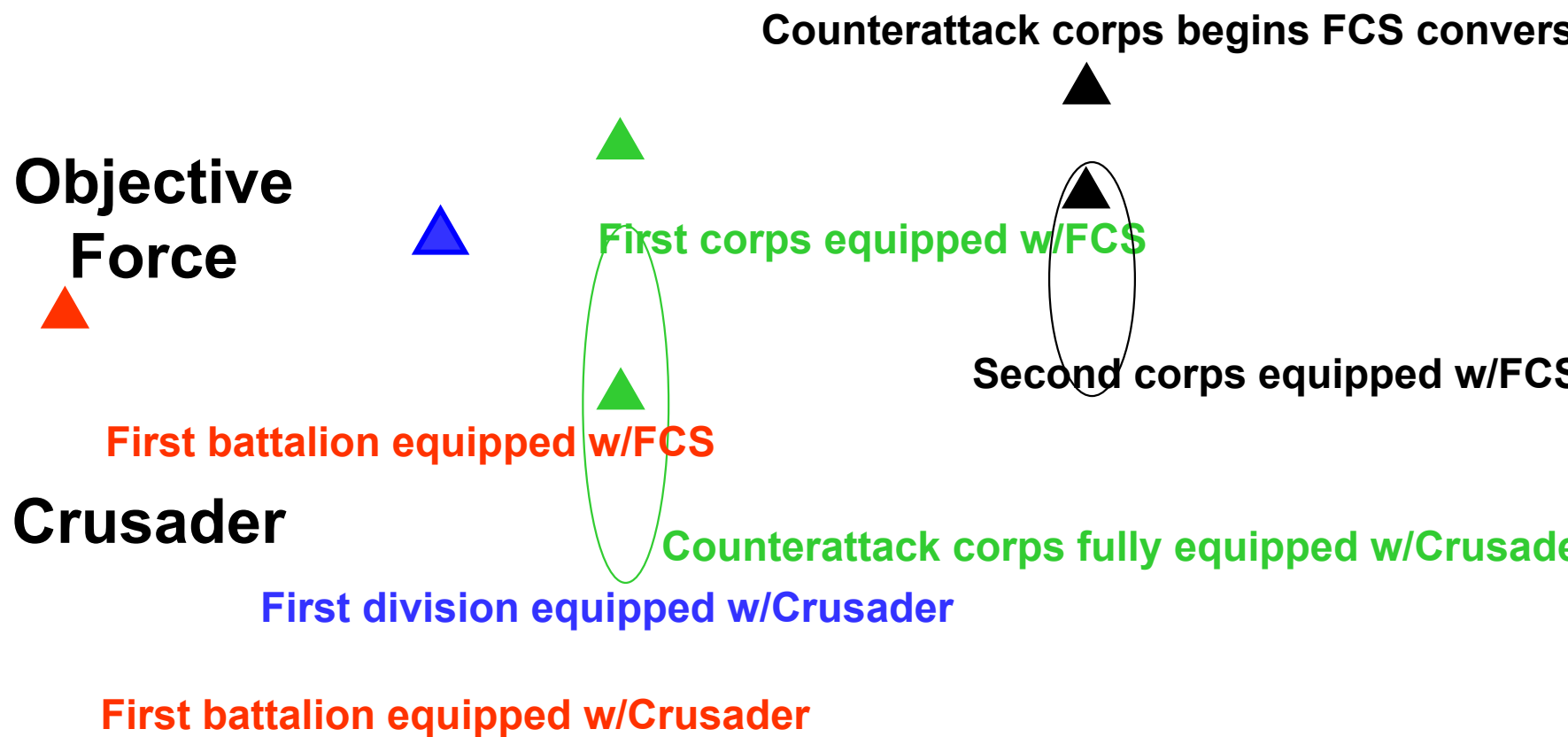
High Mobility Artillery Rocket System (HIMARS)



XM777 Joint Lightweight 155mm Howitzer (LW155)



Both FCS and Crusader Field on the Same Timeline Funding Competition is Inevitable



Crusader-equipped forces will be the first responders for about 3-5 years.